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ADDING A RESET BUTTON TO YOUR TS-1000 OR TS-2068

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A reset button or switch is a relatively simple device that allows you to reset the sate of your computer without removing power from it. I had never given this device very much thought on my TS-2068 because the power switch provided the function for me. As I became involved with telecommunications, I learned that from time to time I would have serious system lock-outs where I would have to reset the computer. If I used the power switch as a reset switch, the loss of power would cause the modem to drop the carrier signal that was going to the host system. With a reset switch, the modem's link would stay up, I could reload my computer and all functions would be restored from where they left off. What this switch actually does is send a ground signal to the reset lines throughout the computer to enable a system reset.

The items needed for this project are: one momentary switch, one foot of stranded wire, a soldering iron, solder, wire cutters, and a drill with bit.

I used a push button type of momentary switch that I found at Radio Shack. I drilled a hole in the rear of my computer and mounted the switch in it. My switch is located about 1-1/2 inches to the left of the expansion slot. I cut the stranded wire into two (6 inch) peices and soldered one to each lead of my switch. I then soldered the other wires to C21, one on each lead. This capacitor (C21) has one lead connected to ground and the other lead is connected to the reset line. If you have trouble locating C21, you can also use the lines going to the rear edge connector (expansion slot). The reset line terminates a pin A24. Ground can be found at pins A1, A32, B1 and B32. Remember that all of the "A" pins are on the component side of the circuit card and all of the "B" pins are on the non-component side.

For the TS-1000, the capacitor that you connect your two wires to is C5 which also has one lead connected to the reset line and the other connected to ground. The pins of the rear edge connector (expansion slot) that you can use are 4B and 5B for ground while A21 is for reset. The "A" pins are on the component side and the "B" pins are on the underside of the circuit card. That completes this project. You should find that it is a very simple and rewarding one.